

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA5666NM

This certificate, issued to Frederick Ludtke

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Air Regulations.**

Original Product — Type Certificate Number: A-805

Make: Piper

Model: PA-17

Description of Type Design Change: Installation of Continental C90-8F engine with Marvel-Schebler MA-35PA carburetor, McCauley 1B90CM7148 propeller, and two 9.5 gallon Stoddard Aero Service Model 15 wing tanks in accordance with Fred Ludtke photo sheets 1 through 4 and Fred Ludtke drawing number 1.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for other aircraft. This approval is limited to the installation in Model PA-17 aircraft, Serial No. 17-84, R/N N4685H, only. A copy of this Certificate, Continuation Sheet and FAA Approved Flight Manual Supplement dated January 14, 1992, must be maintained as part of the permanent records for the modified aircraft.
(continued on page 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: September 12, 1991

Date issued:

Date of issuance: January 14, 1992

Date amended:



By direction of the Administrator

[Signature]

(Signature)

Manager, Special Certification Branch
Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA5666NM

LIMITATIONS AND CONDITIONS: (CONTINUED)

The conditions and limitations of the Type Certificate Data Sheet No. A-805 apply except where superseded by the following:

This Continuation Sheet, which is part of STC No. SA5666NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Engine	Continental C90-8F with Marvel-Schebler MA-3SPA carburetor.
Fuel	80 octane minimum, aviation gasoline.
Engine Limits	All operations, 90 BHP @ 2475 RPM.
Propeller	McCauley 1B90CM7148, Diameter: 71 inches.
	Static Limits: 2375 RPM maximum.
	2275 RPM minimum.

The aircraft modified by this STC is authorized for operation in the normal category only. Any specifications in the original Type Certificate Data Sheet pertaining to the utility category no longer apply.

Required Placards:

1. On the instrument panel in full view of the pilot: "THIS AIRCRAFT MUST BE OPERATED IN THE NORMAL CATEGORY IN ACCORDANCE WITH THE FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT."
2. At the fuel selector valve:
 - a. Left wing tank detent: "LEFT TANK 8.5 GAL."
 - b. Right wing tank detent: "RIGHT TANK 8.5 GAL."
 - c. Fuselage tank detent: "AUXILIARY TANK 11.5 GAL."
 - d. Off detent: "FUEL OFF."
3. At left and right wing tank gages: "8.5 GAL. USEABLE."
4. At the fuselage tank gage: "AUXILIARY TANK 11.5 GAL. USEABLE."
5. On wing tank filler caps: "9.5 GAL. 80/87 OCT. VENT FORWARD."
6. On fuselage tank cap: "GAS 12 GAL. 80 OCT. MIN."
7. On oil tank filler cap: "OIL 5 QTS."
8. At baggage compartment: "BAGGAGE 40 POUNDS MAXIMUM."

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